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CLMPTO

CLAIMS 1-9 (CANCELLED)

10. (currently amended) A method of forming a laterally extending trench in a

semiconductor material underneath an extrinsic base of a BJT, comprising

choosing a wafer with a <100> crystal orientation,

etching a vertically extending STI region next to the extrinsic base,

and

using an anisotropic etchant to etch the laterally extending trench to extend laterally from the STI,

A method of claim 8, wherein the choosing of the crystal orientation is chosen so that the includes choosing a lateral trench extends direction that is in the <110> direction.

- 11. (original) A method of claim 10, wherein the semiconductor material is silicon.
 - (original) A method of claim 11, wherein the etchant is a wet anisotropic silicon etchant.
 - 13. (original) A method of claim 12, wherein the etchant includes KOH.
 - (original) A method of claim 13, wherein the etchant further includes alcohol and water.
 - 15. (original) A method of claim 12, wherein the etchant includes TMAH.